(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 8 July 2004 (08.07.2004)

PCT

(10) International Publication Number WO 2004/056268 A1

(51) International Patent Classification⁷: 5/0408, 5/04, 5/0265, 5/113

A61B 5/103,

(21) International Application Number:

PCT/IB2003/005338

(22) International Filing Date:

21 November 2003 (21.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

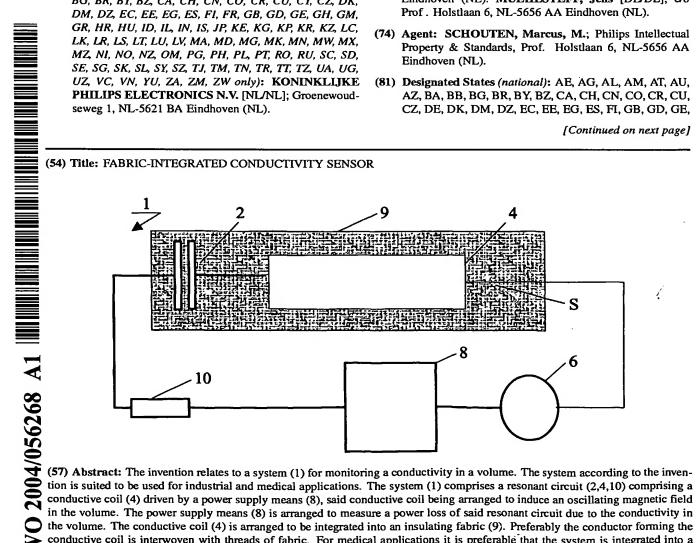
(30) Priority Data:

02080429.0

19 December 2002 (19.12.2002)

(71) Applicant (for AE, AG, AL, AM, AT, AU, AZ, BA, BB, BE, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CY, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, FR, GB, GD, GE, GH, GM, GR, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,

- (71) Applicant (for DE only): PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH [DE/DE]; Steindamm 94, 20099 Hamburg (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PERKUHN. Michael [DE/DE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). SCHMIDT, Ralf [DE/DE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). REITER, Harald [DE/DE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). LAUTER, Josef [DE/DE]; c/o Prof Holstlaan 6, NL-5656 AA Eindhoven (NL). SUCH, Olaf [DE/DE]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven (NL). REICHINGER, Christian [DE/DE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). MONTVAY, Andras [DE/DE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). MUEHLSTEFF, Jens [DE/DE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).



the volume. The conductive coil (4) is arranged to be integrated into an insulating fabric (9). Preferably the conductor forming the conductive coil is interwoven with threads of fabric. For medical applications it is preferable that the system is integrated into a bodywear, for example a T-shirt.



GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.